Work Orde March-04-14 3:		4342			*112	434	.2*							Page 1
Revision ID:	D3552-11 Door Prop			Accept	;	*/	1900	040	100)*	Setup	Start Stop	171	S1* S2*
Start Date: Required Date: Reference:	04/03/2014 04/03/2014	Start Qty: 12.00 Req'd Qty: 12.00		1			Cust Item I Customer:	D:						
Approvals:	Process Pla	an: MUS	Date: 14-03-0	Tool	ing:		Da	ate:			Run	Start	~I <i>V</i> I	R1*
	QC:		Date:	L SPC	(Y/N):		Da	ate:				Stop	*N	R2*
Sequence ID/ Work Center II)	Operation Description			et Up/ un Hours		Tool ID	Tool#	Plan Code	Accept	t Re		Reject Number	Insp. Stamp
Draw Nbr	Rev	vision Nbr												
D3552	K							·						
*100 *100* Purchasing Purchasing		Purchase Supplier:	: <u>23277</u> Part Number: B8-240-575 LS Technologies e of conformity is required								- D		(Yo	3.04
110 *110* Packaging Packaging		Memo	Damage & Mat'l Certs	0.00 0.0 attached			• ,			12)			SP /	4-3-/2
120 *1 20* QC Quality Control		QC6- Inspect dimension Memo Test for c	ons to drawing	0.0	1	3/13							***************************************	·

Ť

S.

DQA:	_		Date:										TQ AC
			5.	•		WORK ORDER NON-	-CC	ONFO	RMANCE / U				AEROSPACE
QA Closed:			Date:			,				V	Vork Order u	pdate only	
Work Orde	er:					DISPOSITION				AGAINST D	EPARTMENT	/PROCESS	
	-					Rework	1	,	Skid-tube	Crosstube	_	Water Jet	Engineering
Part N	lo.					Scrap			Machining	Small Fab	Pro	d. Eng. Coor.	Quality
	-					Use-as-is			noforming	Finishing		re/Packaging	Other
NCR N	10.					Suspected Unapproved			Large Fab	Composite		Supplier	
			-									·	
Root	l				Desci	ription of work order update	i	Initial	Ac	tion	Sign &		
Cause	\Box	Date	Step	Qty		or non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Design	_										1		
Doc/Data	_												
Equip/Tooling													
Handling/Pre	_												
Material													
Operator													
Offset/Setup													
Process	\Box												
Supplier	\Box												
Training	\dashv												
Transport													
Unapproved							<u> </u>						
							FA	ULT CA	TEGORY				
Landii						General	_]/_		Г	7		ا ، ا
	\vdash	Bending			-	Bend	<u> </u>	-	Program	ŀ	Outside Din	<u></u>	Pressure/Forced
	-	Centre No	ot Concer	itric	-	BOM/Route	-	Grain		-	Over/Under	 	Set-up
	\vdash	Cracks	al /Dinnla	Mayo	-	Broken/Damage/Defect	-	Hardwa		Industried -	Part Incorre	 	Temperature/Cure
	\vdash	Crimp/Kir	кукірріе	/ wave		Burrs	-	⊣ '	ion Incomplete/U	· -	Part Lost/M	_	Weld
		Crushing			\vdash	Contamination Countersink	-	-	tions Incomplete/	Unclear	Part Moved		Wrong Stock Pulled
	-	Crushing Heat Trea	·+			Cut Too Short	\vdash	Mislabe	gned/off center		Positioned '	_	Other
	—	Inspection		Tubo	-	Drawing	\vdash	Misrea		L	rower Loss,	, surge	Journel
:	\vdash	Marks/Ch	-	rube		Drill Holes	\vdash	Off-set					
	\vdash	Turning S			\vdash	Finish	-	4	Calibration				
		WE AND LINE			-	Fit/Function		-	Campration				

H:/FORMS/Quality Assurance\approved QA/NCRWO RevH

Work Ord <i>March-04-14</i> 3		4342		*112		Page 2						
Item ID: Revision ID: Item Name:	D3552-11 Door Prop		4	Accept	*N900	04 0	100)*	Setup	Start Stop		S1*
Start Date: Required Date Reference:	04/03/2014 e: 04/03/2014	Start Qty: 12.00 Req'd Qty: 12.00	*1 <i>9</i> * *1 <i>9</i> *		Cust Item I Customer:	D:						
Approvals:	Process Pla	n:	Date:	Tooling: _ SPC (Y/N):		ate:			Run	Start Stop	*N *N	R1*
Sequence ID/ Work Center 1 130 *120*	ID	Operation Description Identify as per dwg & Sto	ck Location:57160	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	Qty	7]	Reject Number	Insp. Stamp
Packaging Packaging	,	Мето							9	(25)		
*140 *140*		QC21- Final Inspection -	Work Order Release	0.00				ML	5	۱ <u>۷-</u> ۰	3-14	
Quality Control											J	MF ₁ 4-3

DQA:			Date:												TQAC.
OA Clasadi			Datas			WORK ORDER NON-	-CC	ONFO	RMANCE / UP		· \A/~~	l. Ordon	data anlu		AEROSPACE
QA Closed:			Date:							· · · · · · · · · · · · · · · · · · ·	VVOI	k Order up	date only	Щ	
Work Orde	r:					DISPOSITION				AGAINST [DEP	ARTMENT	PROCESS		
					_	Rework			Skid-tube	Crosstube			Water Jet		Engineering
Part N	lo.					Scrap			Machining	Small Fab		Proc	d. Eng. Coor.		Quality
	_				_	Use-as-is		Therr	noforming	Finishing		Rec/Stor	e/Packaging		Other
NCR N	lo					Suspected Unapproved			Large Fab	Composite			Supplier	-	
				<u> </u>					T						
Root	ĺ	<u>.</u> .	c .	٥.	Desci	ription of work order update	1	nitial	Acti			Sign &	.,		004
Cause	-+	Date	Step	Qty		or non-conformance	Ch	ief Eng	Descri	ption	-	Date	Verification	<u>'n</u>	QC Inspector
Design	\dashv														
Doc/Data															
Equip/Tooling	\dashv														
Handling/Pre	\dashv														
Material	\dashv														
Operator Offset/Setup	\dashv			İ		•						1			
Process	\dashv					_					ı				
Supplier	\dashv											:			
Training	\dashv														
Transport	\dashv						ļ								
Unapproved	\neg														
				L			FA	ULT CA	TEGORY				,		
Landir	ng Go	ear				General									
	[6	Bending				Bend		Folio/F	Program	[Outside Dim	ensions		Pressure/Forced
	\Box	Centre No	t Concer	ntric		BOM/Route		Grain				Over/Under	tolerance		Set-up
	(Cracks				Broken/Damage/Defect		Hardwa	are		P	art Incorred	ct		Temperature/Cure
	(Crimp/Kir	k/Ripple	/Wave		Burrs		Inspect	ion Incomplete/Un	qualified	P	art Lost/Mi	ssing		Weld
	Щ ⁽	Cuffs			L	Contamination		Instruc	tions Incomplete/U	Inclear	P	art Moved			Wrong Stock Pulled
	(Crushing				Countersink	L	Misali	gned/off center		$\overline{}$	ositioned V	_		
ļ	_	Heat Trea				Cut Too Short		Mislabe	eled	Į		ower Loss/	Surge		Other
		nspection	,	Tube		Drawing	L	Misrea			_				
	—	Marks/Ch				Drill Holes		Off-set			_		- · · · · · · · · · · · · · · · · · · ·		
	_	Furning S				Finish		-1	Calibration		_				
	١	Nave/Tw	ist in Tub	ne	i	Fit/Function	1	Out of	Seguence						

H:/FORMS/Quality Assurance\approved QA/NCRWO RevH

March-04-14 3:02:34 PM

Work Order ID: 114342

114342

Parent Item:

D3552-11

D3552-11

Parent Item Name: Door Prop

Start Date: 04/03/2014

Required Date: 04/03/2014

Start Qty: 12.00

Required Qty: 12.00

Comments:

IPP Rev:B 09-04-20 rev.d as per dwg DD verifed by:EC

IPP Rev:C

as per dwg RevE DD 10.02.17 verified by:EC

per dwg rev.G DD verf:EC

IPP Rev:D 10.12.03 as

Item Name I	tem ID	Mfg/ Purch	Item Loc	tion Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
B8-240-575-150N		Purchased	No		110	Each	0.0000	1	12	-		

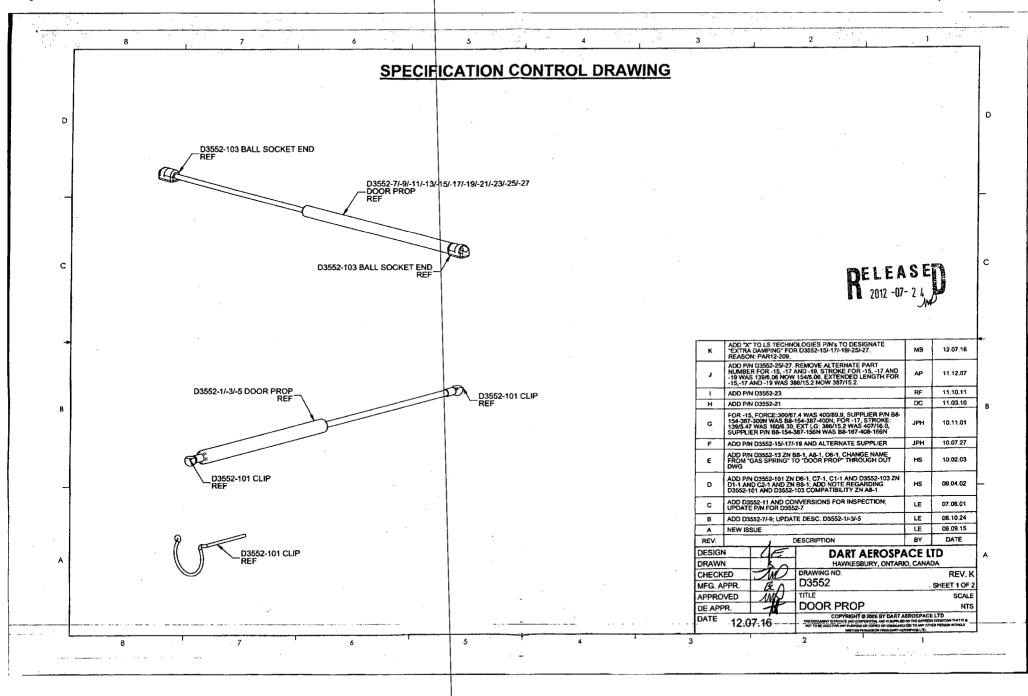
B8-240-575-150N

GAS SPRING

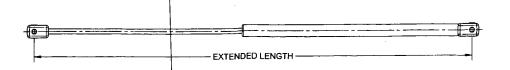
12x 14-3-12.80

DQA:		_ Date:											***	DA PT	
QA Closed:		Date:			WORK ORDER NON-	-CC	ONFO	RMANCE / UPI		Worl	k Order ur	odate only	\neg	AEROSPACE	
					DISPOSITION				AGAINST D		·				
Work Orde	er:					,			7.07.11.101.2	_	,				
5					Rework			Skid-tube	Crosstube	_		Water Jet	_	Engineering	
Part N	10				Scrap		1	Machining	Small Fab	_		d. Eng. Coor.	_	Quality	
N/CD N	lo.				Use-as-is		Thern	noforming	Finishing	4	Rec/Stor	re/Packaging	4	Other	
NCR N					Suspected Unapproved			Large Fab	Composite			Supplier			
Root				Desci	ription of work order update	ĺ	Initial	Actio	on		Sign &		\Box		•
Cause	Date	Step	Qty		or non-conformance	Ch	nief Eng	Descrip	tion		Date	Verification	ı	QC Inspector	
Design							· · · · · · · · · · · · · · · · · · ·								•
Doc/Data															
Equip/Tooling												-			
Handling/Pre															
Material															
Operator					:								İ		
Offset/Setup															
Process												:			
Supplier															
Training															
Transport															
Unapproved															
						FA	ULT CA	TEGORY							
Landir	ng Gear				General		-								
	Bending				Bend		Folio/F	Program		_ 0	utside Dim	ensions		Pressure/Forced	
<u> </u>	Centre N	lot Concei	ntric		BOM/Route	匚	Grain			_ 0	ver/Under	tolerance		Set-up	
1	Cracks				Broken/Damage/Defect	L	Hardwa	are	L	P	art Incorred	ct	┙	Temperature/Cure	
1		ink/Ripple	/Wave		Burrs	L	Inspect	ion Incomplete/Unq	ualified	P	art Lost/Mi	-		Weld	
	Cuffs				Contamination		Instruct	tions Incomplete/Un	clear	P	art Moved	į	'	Wrong Stock Pulled	
	Crushing				Countersink	L	Misalig	gned/off center		P	ositioned V				
	Heat Tre				Cut Too Short	L	Mislabe	eled		P	ower Loss/	Surge	\Box '	Other	
ļ		on Strip in	Tube	L	Drawing		Misrea	d							
]	Marks/C	hatter			Drill Holes		Off-set			_					
	Turning :	Sequence			Finish		Out of	Calibration		_					
j	Wave/Tu	wist in Tul	ne	1	Fit/Function		Out of	Seguence							

H:/FORMS/Quality Assurance\approved QA/NCRWO RevH



*	त्रा त्या विश्ववृत्तर मुक्त कर्षा विश्ववृत्ति । भारता विश्ववृत्ति । भारता विश्ववृत्ति । भारता विश्ववृत्ति । भारता व			
			*	· •
		•		
				·
				:
				!
				1
				!
				i
				÷
			•	1
		•		
				:
				i
				i
	•			1 4
				1
				1
				i
				i
E	confidence for a month and confidence of the con		ı	1



		~		- 1				·	
DART PART NUMBER	DESCRIPTION	STROKE (mm/in)	EXTENDED LENGTH (mm/in)		ORCE N/lb)	END FITTING	MATERIAL	SUPPLIER	SUPPLIER PART NUMBER OR MODEL NUMBER
D3552-1	DOOR PROP	220/8.66	530/20.6	70)/15.7	10mm SS BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	C8-220-530-070N
D3552-3	DOOR PROP	200/7.87	490/19.3	20	0/45.0	10mm SS BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	C8-200-490-200N
D3552-5	DOOR PROP	175/6.89	430/16.9	15	0/33.7	10mm SS BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	C8-175-430-150N
D3552-7	DOOR PROP	220/8.66	530/20.9	1)/15.7	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-220-530-070N
D3552-9	DOOR PROP	200/7.87	490/19.3	20	0/45.0	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-200-490-200N
D3552-11	DOOR PROP	240/9.45	575/22.6	15	0/33.7	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-240-575-150N
D3552-13	DOOR PROP	220/8.66	530/20.9	14	0/31.5	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B6-220-530-140N
D3552-15	DOOR PROP W/EXTRA DAMPING	154/6.06	387/15.2	30	0/67.4	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-154-387-300NX
D3552-17	DOOR PROP W/EXTRA DAMPING	154/6.06	387/15.2	15	6/35.1	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-154-387-156NX
D3552-19	DOOR PROP W/EXTRA DAMPING	154/6.06	387/15.2	60)/13.5	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-154-387-060NX
D3552-21	DOOR PROP	167/6.57	410/16.1	70)/15.7	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B6-167-410-070N
D3552-23	DOOR PROP	190/7.48	475/18.7	70	/15.7	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B6-190-475-070N
D3552-25	DOOR PROP W/EXTRA DAMPING	148/5.83	475/18.7	30	0/67.4	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-148-475-300NX
D3552-27	DOOR PROP W/EXTRA DAMPING	148/5.83	475/18.7	15	6/35.1	10mm NYLON BALL SOCKET	CARBON STEEL	LS TECHNOLOGIES	B8-148-475-156NX
D3552-101	CLIP	N/A	N/A		N/A	N/A	CARBON STEEL	LS TECHNOLOGIES	C9
D3552-103	BALL SOCKET END	N/A	N/A		N/A	N/A	NYLON	LS TECHNOLOGIES	B10

D3552-X DOOR PROP



С

	j			
DESIGN	GE	DART AEROSP	ACE LTD	,
DRAWN		HAWKESBURY, ONTAR	O, CANADA	ľ
CHECKED	a	DRAWING NO.	REV. K	
MFG. APPR.	M.	D3552	SHEET 2 OF 2	
APPROVED	-#6	TITLE	SCALE	
DE APPR.	4	DOOR PROP	NTS	
DATE 12.0	7.16	COPYRIGHT © 2006 BY DART THIS DOCUMENT IS PRIVATE AND COMPORTING WID IS SUPPLE MOTTO BE USED FOR MAY PURPOSE OR COMPLOY WATTEN PERMISSION FROM DATA.	D ON THE EXPRESS CONDITION THAT IT IS CATED TO ANY OTHER PERSON WITHOUT	

NOTES:
1) IDENTIFICATION: IDENTIFY PER QSI 044 6.2
2) D3552-101 CLIP IS ONLY COMPATIBLE WITH D3552-11/-3/-5-DOOR PROPS
3) D3552-103 BALL SOCKET END IS ONLY COMPATIBLE WITH D3552-7/-9/-11/-13/-15/-17/-19/-21/-23/-25/-27 DOOR PROPS

8

D

	the state of the s		•		!
					. No. 41 (20)
					-
					<i>\frac{1}{2}</i>
•					
<u> </u>					
,		·			
4				•	
					:
					:
1					
					i
					:
					1
					· ·
· •					
• - -					4
					i
	·				
¥ ¹					
					!
6.					
·					!
					* i
r P					
		•			
					1 .
•					
i.	For the state of t				

LS TECHNOLOGIES INC

314 Jessop Ave Saskatoon , SK S7N 1Y6

Ph # (306) 683-5000

Packing Slip P.O. No. Date Invoice # 23297 3/11/2014 10894

Ship To	
Main Finished Goods Location	
Dart Aerospace Ltd	
1270 Aberdeen St.	
Hawkesbury, ON K6A 1K7	

- `				
S	Ship	Via	FOB	
3/11	/2014	Fed-Ex		

_	Qty	Description		
	Th	D3552-11 B114342 Gas Spring		
	12	D2807-041 B114247 Stainless Gas Spring		
	•	Shipping Via FED EX Tracking # 798180446560		
		6214-3-12		
	٠٠٠			



LS Technologies Inc 314 Jessop Ave Saskatoon, SK, S7N 1Y6

Ph: (306) 683-5000 Fax: (306) 683-6403

Certificate of Conformance

March 11, 2014

This is to certify that the parts listed below meets specifications as required by your order.

12 Units : D3552-11 B114342 Gas Spring

12 Units: D2807-041 B114247 Stainless Gas Spring

Country of Manufacture: Canada Date of Manufacture: March 2014 This product is ROHS compliant.

Purchase Order # **23297** Inv# **10894**

L S Technologies Inc Canada

Nolan Fehr President



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23297

Purchase Order Date 3/10/2014 PO Print Date 3/10/2014

Page Number 1 of 2

Order From:

LS TECHNOLOGIES INC. 314 JESSOP AVE

SASKATOON, SK S7N 1Y6

CA

VC-LST0001

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

306 683 5000

FedEx PI collect

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607 Net 30

Terms

Currency

CAD

FOB

FCA - (Free Carrier)

Line Reference Nbr Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ CD Taxable Promise Date	Req Qty/ Unit of Measure	PO Unit Price	Extend Pr
1 B8-240-575-150N	GAS SPRING	3/14/2014 Yes	12.00 Each	\$41.36	\$496.
	•	3/17/2014	2.001		
AS PER DWG D3552-11 REV B114342	/. K				

6/15-164/50-115N

Gas Spring

3/14/2014 Yes

3/14/2014

12.00 Each \$63.90

\$766.

\$496.

AS PER DWG D2807-041 REV. E

B114247

Line Total:

\$766.

Note: